

COPY

Docket No. 2825.2023-001Multi-SoleASSIGNMENT

WHEREAS, I, Todd R. Golub, together with co-inventors, Eric S. Lauder, Scott Poirieroy and Pablo Tamayo have invented a certain improvement in Brain Tumor Diagnosis and Outcome Prediction, described in an application for Letters Patent of the United States, the specification of which:

- [] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on January 31, 2002 as Application No. 10/066,305;
- [] was patented under U.S. Patent No. [] on [].

WHEREAS, Whitehead Institute for Biomedical Research, a corporation organized and existing under the laws of the State of Delaware and having a usual place of business at Nine Cambridge Center, Cambridge, Massachusetts 02142, and Dana-Farber Cancer Institute, Inc., a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 44 Binney Street, Boston, Massachusetts, 02115, (hereinafter "ASSIGNEES"), desire to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEES, their successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEES for their own use and behalf and for their successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEES to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEES for their own name as assignees of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEES, their successors, assigns and legal representatives, but at its or their expense and charges, including the

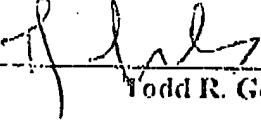
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execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEES, their successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal the date set forth below.

Inventor's Signature:


Todd R. Golub

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Todd R. Golub and acknowledged that he executed the foregoing instrument as his free act and deed this 14th day of May, 2002.

(SEAL)

Katherine G. Gramatino Notary Public

Katherine G. Gramatino (print name)

My Commission expires 8-14-06

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Docket No. 2825.2023-001Multi-Join!ASSIGNMENT

WHEREAS, we, Eric S. Lander and Pablo Tamayo, together with co-inventors Todd R. Golub and Scott Pomeroy, have invented a certain improvement in Brain Tumor Diagnosis and Outcome Prediction described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on January 31, 2002 as Application No. 10/066,305;
- was patented under U.S. Patent No. [] on [].

WHEREAS, Whitehead Institute for Biomedical Research (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at Nine Cambridge Center, Cambridge, Massachusetts 02142 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE'S selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:

Eric S. Lander

State/Commonwealth

of *Mycobacteriaceae*).

County of Mitchell

Then personally appeared before me the above-named **Eric S. Lander** and acknowledged that he executed the foregoing instrument as his free act and deed this 25th day of August, 2002.

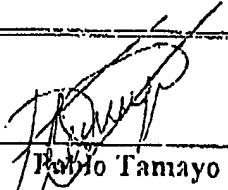
(SEAL)

Carol Macdonald Notary Public
Carol Macdonald (print name)

My Commission expires 12/19/08

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Inventor's Signature:


Pablo Tamayo

State/Commonwealth

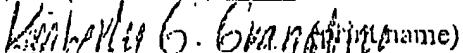
of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Pablo Tamayo and acknowledged that he executed the foregoing instrument as his free act and deed this 2nd day of April, 2002.

(SEAL)


Kimberly G. Granata Notary Public


Kimberly G. Granata (Name)

My Commission expires 8/14/06

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Docket No. 2825.2023-001

Multi-Sole

ASSIGNMENT

WHEREAS, I, Scott Pomeroy, together with co-inventors Todd R. Golub, Eric S. Lander and Pablo Tamayo, have invented a certain improvement in **Brain Tumor Diagnosis and Outcome Prediction**, described in an application for Letters Patent of the United States, the specification of which:

- [] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on **January 31, 2002** as Application No. **10/066,305**;
- [] was patented under U.S. Patent No. [] on [].

WHEREAS, **Children's Medical Center Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts** and having a usual place of business at **300 Longwood Avenue, Boston, Massachusetts 02215** desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal the date set forth below.

Inventor

Scott Pomeroy
Scott Pomeroy

Date

4-10-02

Address

77 Beaconwood Rd. Apt. 11
Newton MA 02461

Witness

Brenda Manning

Address

158 Canton Street

North Easton, MA 02356

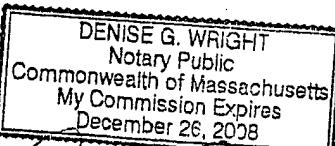
Witness

Monique Loyal-Turk

Address

66 Bristol St

Cambridge, MA 02141



Denise G. Wright